



Banff International Research Station

for Mathematical Innovation and Discovery

The Keith Worsley workshop on Computational Modeling of Brain Dynamics: from stochastic models to Neuroimages

14-19 June 2009

General Organization

As announced before we wish to give as much time as possible to the discussion of the most relevant questions in our field as well as possible solutions. The success of the workshop will be measured in terms of the questions we shall manage to formulate and possible collaborations to answer them. We are also distributing a schedule and a list of questions that have already been brought up by the participants which shall be updated over the next week. Remember that papers by the participants are being uploaded at server: <ftp.rotman-baycrest.on.ca>, user: Banff, pw: rockies.

In order to achieve the workshop objective we will:

- a) Start the morning with a general half hour talk by some of the foremost experts in the field. This speaker should summarize his own work and give us his personal view of how the field stands. Half an hour discussion will follow.
- b) Continue with three short 15 minute presentations of important topics geared also geared towards facilitating discussions.
- c) We have thought of creating thematic groups (see below) with a coordinator. There will be ample time for the groups to discuss the most important issues plus the first day there will be explicit time for this. On subsequent days the groups will present their thoughts for general discussion to the whole workshop.

Thematic Groups and group coordinators:

EXP: Experimental constraints for neural modeling- Rolf Kötter

NMM: Neural Mass Modeling and Neural Field Modeling-Viktor Jirsa

NUM: Numerical methods-Rolando Biscay

STATS: Time series modeling and image statistics-Olivier David/Lee Harrison